RFC # 679
NIC # 31890

Postel

D. W. DODDS, BBN-TENEXA
21 FEBRUARY, 1975

FEBRUARY, 1975, SURVEY OF NEW-PROTOCOL TELNET SERVERS

IT HAS BEEN TWO AND A HALF MONTHS SINCE OUR LAST SURVEY, AND IT HAS BEEN DEPRESSING TO NOTE THAT "PROGRESS" TOWARD AN ALL-NEW-PROTOCOL NETWORK HAS BEEN EVEN SLOWER THAN PREVIOUSLY. CHANGES SINCE THE LAST LIST (WITH HOST NUMBERS IN OCTAL):

SRI-ARC (2) AND OFFICE-1 (53) HAVE ADDED LOGGER SOCKETS 27, BUT WITH OLD-PROTOCOL SERVERS (ARE THESE FORERUNNERS OF NEW-PROTOCOL SERVERS?);
SDC-CC (110) HAS BEEN REMOVED FROM THE LIST UNTIL IT STARTS OPERATING ON THE NETWORK;
LL-67 (12) NOW HAS A NEW-PROTOCOL SERVER ON SOCKET 1;
CASE-10 (15) HAS DEPARTED FROM THE NETWORK;
BBN-TENEX IS NOW HOST 361 (FORMERLY 105);
ANL (ARGONNE, 67) HAS COME ON THE NET WITH OLD- AND NEW-PROTOCOL SERVERS ON SOCKETS 1 AND 27, RESPECTIVELY.

THE FOLLOWING IS THE LATEST VERSION* OF THE SUMMARY AND TABULATION OF SERVER-HOST TELNET SERVERS.

TOTAL SERVER HOSTS	36	100%
NO NEW-PROT SERVER	17	47%
UNKNOWN STATUS (NEW HOST)	1	3%
TOTAL NEW-PROT IMPLEM.	18	50%
NEW-PROT ON SOCKET 27, OLD ON SOCKET 1 (2)	10	28%
NEW-PROT ON 1 AND 27 (3)	6	16%
NEW-PROT ON 1 ONLY (3)	2	6%

RECEIVED
FEB 27 1975

NOTES:

* ALL DATA IN THIS REPORT WERE GATHERED VIA A SURVEYING PROGRAM RUN AT VARIOUS TIMES, PLUS A FEW MANUAL CHECKS TO FILL OUT THE DATA. WHAT IS REPORTED HERE IS THE WAY THE VARIOUS SERVERS WORK AS SEEN BY THE NEW-PROTOCOL USER TELNET AT BBNA, AS OF 20 FEB. 1975.

(2) THESE ARE THE SITES WHOSE OPERATION IS 100% CORRECT ACCORDING TO ALL PROTOCOLS AND CONVENTIONS, AS I UNDERSTAND THEM.

(3) WE REALIZE THAT SOME OF THE SERVERS THAT APPEAR HERE AS NEW-PROTOCOL SERVERS ON SOCKET 1 ARE ACTUALLY SERVERS WHICH ATTEMPT TO COMMUNICATE WITH BOTH OLD- AND NEW-PROTOCOL USER TELNETS ACCORDING TO WHAT CONTROL SEQUENCES ARE RECEIVED.

TABULATION OF SERVER STATUS FOR ALL SERVER SITES:

HOST NO.	HOST NAME	SOCKET 1	SOCKET 27	NEW-PROT. OPTIONS IMPLEMENTED (IF ANY)
101	UCLA-CCN	OLD	X	
201	UCLA-CCBS	OLD	X	
2	SRI-ARC	OLD	OLD	
102	SRI-AI	OLD	NEW	I1,3,6; O3
3	UCSB-MOD75	OLD	X	
4	UTAH-10	OLD	X	
305	BBN-TENEXA	OLD	NEW	I1,3,6; O3
106	MIT-DMS	NEW	NEW	I1,3; O3
206	MIT-AI	OLD	X	
306	MIT-ML	OLD	X	
7	RAND-RCC	OLD	X	
10	SDC-LAB	OLD	X	
11	HARV-10	NEW	X	I1,3; O3
12	LL-67	NEW	X	NONE
112	LL-TX-2	OLD	X	
13	SU-AI	NEW*	NEW*	I1,3
16	CMU-10B	NEW	NEW	I1,3; O3
116	CMU-10A	NEW	NEW	I1,3; O3
17	I4-TENEX	OLD	X	
217	I4B-TENEX	OLD	X	
20	AMES-67	NEW	NEW	NONE
126	USC-ISI	OLD	NEW	I1,3,6; O3
226	USC-ISIB	OLD	NEW	I1,3,6; O3
27	USC-44	OLD	X	
327	USC-ECL	OLD	X	
37	CCA-TENEX	OLD	X	
40	PARC-MAXC	OLD	NEW	I1,3,6; O3
43	UCSD-CC	OLD	NEW	I0(!),3; O0,3
344	HAWAII-500	?	?	
52	LONDON	OLD	X	
53	OFFICE-1	OLD	OLD	
54	MIT-MULTICS	NEW	NEW	NONE
61	BBN-TENEXB	OLD	NEW	I1,3,6; O3
361	BBN-TENEX	OLD	NEW	I1,3,6; O3
162	BBN-TENEXD	OLD	NEW	I1,3,6; O3
67	ANL	OLD	NEW	I1,3,6; O3

KEY:

X — NO SERVER AT THIS SOCKET

? — STATUS NOT ASCERTAINED--UNABLE TO CONNECT TO HOST

I# — OPTION # IMPLEMENTED INCOMING TO USER
(SERVER SAYS "WILL #")

O# — OPTION # IMPLEMENTED OUTGOING FROM USER
(SERVER SAYS "DO #")

(# IS OPTION NUMBER IN NEW PROTOCOL. ALL OPTIONS IMPLEMENTED BY ANYONE ARE:

0 TRANSMIT-BINARY
1 ECHO
3 SUPPRESS-GO-AHEAD
6 TIMING-MARK)

NOTE: * THESE SERVERS RETURN IMPROPER RESPONSES TO SOME TELNET OPTION REQUESTS.